

Title (en)
PLANT FOR PRODUCING HYDROGEN PEROXIDE

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON WASSERSTOFFPEROXID

Title (fr)
INSTALLATION DE PRODUCTION DE PEROXYDE D'HYDROGENE

Publication
EP 0812299 A1 19971217 (FR)

Application
EP 96904143 A 19960214

Priority
• FR 9600245 W 19960214
• FR 9502317 A 19950228

Abstract (en)
[origin: WO9626898A1] A plant for producing hydrogen peroxide by auto-oxidation of an anthraquinone derivative, including a catalytic hydrogenation vessel (1) supplied with hydrogen; an oxidising vessel (2) supplied with an oxygen-containing fluid, particularly air; an extractor (3) supplied with water; and means (7, 16, 19) for successively feeding a working solution containing at least one anthraquinone derivative dissolved in at least one organic solvent through the hydrogenation vessel (1), the oxidising vessel (2) and the extractor (3), then recirculating it to the hydrogenation vessel (1). Means (9, 26) are provided for diverting at least part of the working solution from the extractor (3) to the oxidising vessel (2) so that it by-passes the hydrogenation vessel (1). The plant is useful for producing hydrogen peroxide in situ in a paper pulp bleaching plant.

IPC 1-7
C01B 15/023

IPC 8 full level
B01J 19/32 (2006.01); **C01B 15/023** (2006.01); **D21C 9/16** (2006.01)

CPC (source: EP US)
B01J 19/32 (2013.01 - EP US); **C01B 15/023** (2013.01 - EP US); **D21C 9/163** (2013.01 - EP US); **B01J 2219/3221** (2013.01 - EP US); **B01J 2219/3222** (2013.01 - EP US); **B01J 2219/3227** (2013.01 - EP US)

Citation (search report)
See references of WO 9626898A1

Designated contracting state (EPC)
AT BE DE DK ES GB IT NL PT SE

DOCDB simple family (publication)
WO 9626898 A1 19960906; AU 4835096 A 19960918; BR 9607051 A 19971230; CA 2214087 A1 19960906; CN 1176628 A 19980318; CO 4560351 A1 19980210; CZ 269597 A3 19980318; EP 0812299 A1 19971217; FI 973512 A0 19970827; FI 973512 A 19971016; FR 2730986 A1 19960830; FR 2730986 B1 19970516; JP H11500997 A 19990126; NO 973895 D0 19970825; NO 973895 L 19970825; NZ 302323 A 19990830; US 5902559 A 19990511

DOCDB simple family (application)
FR 9600245 W 19960214; AU 4835096 A 19960214; BR 9607051 A 19960214; CA 2214087 A 19960214; CN 96192214 A 19960214; CO 96009196 A 19960227; CZ 269597 A 19960214; EP 96904143 A 19960214; FI 973512 A 19970827; FR 9502317 A 19950228; JP 52605496 A 19960214; NO 973895 A 19970825; NZ 30232396 A 19960214; US 89413897 A 19970813